

RAW SEQUENCE LISTING

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Application Serial Number: 10/553, 098
Source: PCT
Date Processed by STIC: 10/24/2005

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DATE: 10/24/2005

PATENT APPLICATION: US/10/553,098

TIME: 10:59:06

Input Set : D:\Avalon-188.txt

Output Set: N:\CRF4\10242005\J553098.raw

3 <110> APPLICANT: Avalon Pharmaceuticals, Inc.
 5 <120> TITLE OF INVENTION: Determining Cancer-Linked Genes and Therapeutic Targets
 6 Using Molecular Cytogenetic Methods
 8 <130> FILE REFERENCE: 689290-188
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/553,098
 C--> 11 <141> CURRENT FILING DATE: 2005-10-13
 13 <150> PRIOR APPLICATION NUMBER: 60/462,895
 14 <151> PRIOR FILING DATE: 2003-04-15
 16 <160> NUMBER OF SEQ ID NOS: 923
 18 <170> SOFTWARE: PatentIn version 3.0
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 22 <212> TYPE: DNA
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257	gtgaaagaaa	gagagagtga	gagaaatcaa	tgtaatttta	aacctcagat	ggatcttgaa	3660
258	gttaaagaaa	tttctctaga	tagttataat	gcgcagttgg	tgcaattaga	agctatgcta	3720
259	agaaataagg	aattaaaact	tcaggaaagt	gagaaggaga	aggagtgcct	gcagcatgaa	3780
260	ttacagacaa	ttagaggaga	tcttgaaacc	agcaatttgc	aagacatgca	gtcacaagaa	3840
261	attagtggcc	ttaaagactg	tgaatatagat	gcggaagaaa	agtatatattc	agggcctcat	3900
262	gagttgtcaa	caagtcaaaa	cgacaatgca	caccttcagt	gctctctgca	aacaacaatg	3960
263	aacaagctga	atgagctaga	gaaaatatgt	gaaatactgc	aggctgaaaa	gtatgaactc	4020
264	gtaactgagc	tgaatgattc	aaggtcagaa	tgtatcacag	caactaggaa	aatggcagaa	4080

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/553,098

DATE: 10/24/2005
TIME: 10:59:07

Input Set : D:\Avalon-188.txt
Output Set: N:\CRF4\10242005\J553098.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 381
Seq#:10; N Pos. 10,14,278,288
Seq#:11; N Pos. 639
Seq#:12; N Pos. 268
Seq#:13; N Pos. 12,50,51,91,154,166
Seq#:15; N Pos. 502
Seq#:20; N Pos. 723
Seq#:25; N Pos. 583
Seq#:29; N Pos. 579,622
Seq#:30; N Pos. 527,537
Seq#:34; N Pos. 417,418,476,481,515
Seq#:35; N Pos. 565
Seq#:36; N Pos. 174
Seq#:38; N Pos. 264,266,267,268,269,270,291,292
Seq#:56; N Pos. 449,533
Seq#:67; N Pos. 102
Seq#:75; N Pos. 388,417
Seq#:76; N Pos. 113,115,178,617
Seq#:79; N Pos. 553,636
Seq#:89; N Pos. 396,411,472
Seq#:91; N Pos. 641
Seq#:94; N Pos. 560,576,596,610,624,639
Seq#:95; N Pos. 591,601,607,648,663
Seq#:101; N Pos. 221,343
Seq#:102; N Pos. 222
Seq#:107; N Pos. 540
Seq#:112; N Pos. 381
Seq#:113; N Pos. 10,14,278,288
Seq#:114; N Pos. 639
Seq#:115; N Pos. 268
Seq#:116; N Pos. 12,50,51,91,154,166
Seq#:117; N Pos. 241
Seq#:119; N Pos. 222,669
Seq#:120; N Pos. 386,393,410,423,446,452,466
Seq#:122; N Pos. 502
Seq#:128; N Pos. 723
Seq#:134; N Pos. 15,269,274,289,305,323,385,431,440,454,459,468
Seq#:135; N Pos. 583
Seq#:139; N Pos. 579,622
Seq#:140; N Pos. 527,537
Seq#:144; N Pos. 417,418,476,481,515
Seq#:145; N Pos. 565
Seq#:146; N Pos. 174
Seq#:148; N Pos. 264,266,267,268,269,270,291,292

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 10/24/2005

PATENT APPLICATION: US/10/553,098

TIME: 10:59:07

Input Set : D:\Avalon-188.txt

Output Set: N:\CRF4\10242005\J553098.raw

Seq#:158; N Pos. 457,643,768

Seq#:160; N Pos. 7,476,501,538,550,568,573,584,594,599,600,605,610,617,623

Seq#:160; N Pos. 625,629,634,640,643,646,650,653,662,683,688,690,706,709

Seq#:160; N Pos. 713,714,715,718,721,725,733,735,754,757,759,763,765,767

Seq#:165; N Pos. 24,205,448,505,520,534

Seq#:170; N Pos. 449,533

Seq#:171; N Pos. 455,494,526

VARIABLE LOCATION SUMMARY

DATE: 10/24/2005

PATENT APPLICATION: US/10/553,098

TIME: 10:59:07

Input Set : D:\Avalon-188.txt

Output Set: N:\CRF4\10242005\J553098.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; N Pos. 381
Seq#:10; N Pos. 10,14,278,288
Seq#:11; N Pos. 639
Seq#:12; N Pos. 268
Seq#:13; N Pos. 12,50,51,91,154,166
Seq#:15; N Pos. 502
Seq#:20; N Pos. 723
Seq#:25; N Pos. 583
Seq#:29; N Pos. 579,622
Seq#:30; N Pos. 527,537
Seq#:34; N Pos. 417,418,476,481,515
Seq#:35; N Pos. 565
Seq#:36; N Pos. 174
Seq#:38; N Pos. 264,266,267,268,269,270,291,292
Seq#:56; N Pos. 449,533
Seq#:67; N Pos. 102
Seq#:75; N Pos. 388,417
Seq#:76; N Pos. 113,115,178,617
Seq#:79; N Pos. 553,636
Seq#:89; N Pos. 396,411,472
Seq#:91; N Pos. 641
Seq#:94; N Pos. 560,576,596,610,624,639
Seq#:95; N Pos. 591,601,607,648,663
Seq#:101; N Pos. 221,343
Seq#:102; N Pos. 222
Seq#:107; N Pos. 540
Seq#:112; N Pos. 381
Seq#:113; N Pos. 10,14,278,288
Seq#:114; N Pos. 639
Seq#:115; N Pos. 268
Seq#:116; N Pos. 12,50,51,91,154,166
Seq#:117; N Pos. 241
Seq#:119; N Pos. 222,669
Seq#:120; N Pos. 386,393,410,423,446,452,466
Seq#:122; N Pos. 502
Seq#:128; N Pos. 723
Seq#:134; N Pos. 15,269,274,289,305,323,385,431,440,454,459,468
Seq#:135; N Pos. 583
Seq#:139; N Pos. 579,622
Seq#:140; N Pos. 527,537
Seq#:144; N Pos. 417,418,476,481,515
Seq#:145; N Pos. 565
Seq#:146; N Pos. 174

VARIABLE LOCATION SUMMARY

DATE: 10/24/2005

PATENT APPLICATION: US/10/553,098

TIME: 10:59:07

Input Set : D:\Avalon-188.txt

Output Set: N:\CRF4\10242005\J553098.raw

Seq#:148; N Pos. 264,266,267,268,269,270,291,292
Seq#:158; N Pos. 457,643,768
Seq#:160; N Pos. 7,476,501,538,550,568,573,584,594,599,600,605,610,617,623
Seq#:160; N Pos. 625,629,634,640,643,646,650,653,662,683,688,690,706,709
Seq#:160; N Pos. 713,714,715,718,721,725,733,735,754,757,759,763,765,767
Seq#:165; N Pos. 24,205,448,505,520,534
Seq#:170; N Pos. 449,533
Seq#:171; N Pos. 455,494,526

VERIFICATION SUMMARY

DATE: 10/24/2005

PATENT APPLICATION: US/10/553,098

TIME: 10:59:07

Input Set : D:\Avalon-188.txt

Output Set: N:\CRF4\10242005\J553098.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:441 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:9
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:360
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
M:341 Repeated in SeqNo=10
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:600
L:509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:240
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:480
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:720
L:989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:540
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:540
M:341 Repeated in SeqNo=29
L:1114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:480
L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:360
M:341 Repeated in SeqNo=34
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:540
L:1241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:120
L:1290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:240
L:1757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:420
M:341 Repeated in SeqNo=56
L:2078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:60
L:2332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:360
L:2348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:60
M:341 Repeated in SeqNo=76
L:2408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:540
M:341 Repeated in SeqNo=79
L:2725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:360
M:341 Repeated in SeqNo=89
L:2770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:600
L:2828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:540
M:341 Repeated in SeqNo=94
L:2852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:540
M:341 Repeated in SeqNo=95
L:3024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:180
M:341 Repeated in SeqNo=101
L:3044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:180
L:3177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:480
L:3488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:360
L:3504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0
M:341 Repeated in SeqNo=113
L:3534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:600
L:3556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:240
L:3570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0
M:341 Repeated in SeqNo=116
L:3595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:240

VERIFICATION SUMMARY

DATE: 10/24/2005

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Input Set : D:\Avalon-188.txt

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L:3690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:180
M:341 Repeated in SeqNo=119
L:3719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:360
M:341 Repeated in SeqNo=120
L:3760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:480
L:4249 M:283 W: Missing Blank Line separator, <400> field identifier
L:9205 M:283 W: Missing Blank Line separator, <400> field identifier
L:10798 M:283 W: Missing Blank Line separator, <400> field identifier